

### **ABSTRACT**

An apparatus and method for tracing a reserved resource of a GTP-U user message trafficked between SGSN (Serving GPRS Support Node) and GGSN (GPRS Gateway Serving Node) sets a tracing function for the reserved resource of a GTP-U using a TEID for a subscriber to be traced, and outputs information for the reserved resource by detecting the GTP-U having the tracing function set therein. The present invention effectively manages packet troubles generated from the SGSN and an attack of DDOS through the GTP-U on Internet by isolating the interface generating the corresponding attack. As a result, the system is prevented from lowering managing performance by automatically stopping GTP-U tracing through a tracing function duration and a trace critical value.